Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. **1st & Final bill** Date.....20.....

Division: Yelahanka. Sub Division: Yelahanka.

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket No.....

Name of Work : Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05

Job Code No: 005-20-000117 **Est. cost: 100.00 lakhs**

Name of Contractor and Full Address : M/S Jathin Infra Pvt Ltd , Bangalore.

Work Order No: **EE (Project)/YNK Zone/W0/80/2020-21,** **Dated : 17-08-2020** 421781

Certified that the measurements were taken by me on 16/4/21 and recorded in pages 427 81 – 783 of measurement Book No. 13/19-20(4.21E) and that the work is satisfactorily executed.

Contractor **Officer in-charge of work**

Certified that the measurements were taken by me on 16/4/2021 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

29.5.21

Sub-Division Officer

If Memorandum of Payment

1) Total value of work done or supplies made as per account within	Gross Bills Rs	1,03,99,139-00
2) Deduct amount to be held in reserve being.....percent Rs.....	Deduct 1 1/2%	2,07,983-00
3) Deduct amount to be held in Balance		
4) Deduct Payment :		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....	Cess 1%	103991-00
Amount adjusted towards cash advance recovery of	CBF 0.1%	10399-00
b) Payments cost store or other materials supplied.	LR	149577-00
Now made recovery of amount creditable to this/other work	CGST	92849-00
Amount paid on this bill Cheque/Cash	SGST	92849-00
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments	Total deductions	657648-00
7) Net amount due to or from contractor	Net payable	97,41,491-00
Unadjusted items		
8) Advance to contractor for materials brought to site (as detailed) within value of Governme materials supplied		

Contractor's Signature

Received Rs.....(in words)

By Cash and by adjustment of Payment as per memorandum.

Witnesses :

(For use in the Office)

1.

2.

Audited & Admitted for Rs.....

Rs. 1,03,99,139

Rs. 97,41,491 by Cheque

and Rs. 6,57,648 by Adjustment

Dated.....Signature of Contractor

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Accts. Supdt. 20/5/2021
Project Division
B.B.M.P.

Exe. Engineer
Project Division
B.B.M.P.

Initials of Officer Making Payment **Executive Engineer**

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05

Modified ABSTRACT

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate in Rs.	Amount	Qty	Amount
1	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. By Manual Means :B. Cement Concrete Grade M-15 & M-20	Cum	392.29	526.00	206343.70	-	-	391.89	526.00	206134.14	391.89	206134.14
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimmingbottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH	Cum	862.77	135.00	116474.27	-	-	862.44	135.00	116429.13	862.44	116429.13
3	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods	Cum	688.49	425.00	292608.93	-	-	688.35	425.00	292548.75	688.35	292548.75
4	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.	Cum	53.98	5780.00	312029.83	-	-	53.97	5780.00	311929.26	53.97	311929.26
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm	Cum	70.69	7423.00	524702.18	-	-	70.69	7423.00	524702.18	70.69	524702.18
6	Providing and laying in position plain/Reinforced cement cement concrete M20 for sub-structure/Superstructure works, with cement @ 320 kgs, 20 mm & down size graded granite metal coarse aggregate @ 0.69 cum and fine aggregates @ 0.46 cum machine mixed with super plasticisers @ 3 lts confirming to IS 9103-2008,concrete laid in layers, well compacted and providing weep holes wherever necessary. with necessary scaffolding, form work etc., including cost of labour, HOM curing etc., complete	Cum	38.70	5541.00	214438.56	-	-	38.55	5541.00	213585.60	38.55	213585.60
7	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.1 (P.No.16, I.No.4.28 of PW,P&IWTD SR 2018-19)	Sqm	28.96	287.00	8311.18	-	-	28.96	287.00	8311.52	28.96	8311.52

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Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous Measurement		Present Measurement			Up to date	
8	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.	Sqm	173.76	398.00	69155.00	-	-	173.76	398.00	69156.48	173.76	69156.48
9	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per	Tonne	7.86	78978.00	620641.24	-	-	7.87	78978.00	621638.52 621557	7.87	621638.52 621557
10	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.	Sqm	213.75	2454.00	524542.50	-	-	213.75	2454.00	524542.50	213.75	524542.50
	Above 125%	Sqm	355.14	2454.00	871513.56	-	-	355.14	2454.00	871513.56	355.14	871513.56
11	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge	Sqm	92.82	5688.00	527960.16	-	-	92.82	5688.00	527960.16	92.82	527960.16
12	KSRB12-2 : Providing and laying in position plain cement concrete M7.5 using 40mm and down size graded granite metal, machine mixed concrete laid in layers not exceeding 15 cms thick, well compacted, for internal diameter stoneware pipes including cost of materials, labour charges, HOM curing complete as per specifications Specification	M	357.20	647.00	231108.40	-	-	357.20	647.00	231108.40	357.20	231108.40
13	KSRB 12-1 : Providing and laying in position to required level or slope of internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications.	M	357.20	702.00	250754.40	-	-	357.20	702.00	250754.40	357.20	250754.40
14	KSRB 12-5 : Constructing brick masonry circular type manhole 1.22 m internal dia at bottom and 0.56m dia at top, with table moulded and non modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with ement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and down size granite metal and making necessary channel in cement concrete M 15 with 20mm and down size granite metal, finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560mm internal diameter confirming to IS :12592, total weight length of cover and frame to be not less than 182 kg, fixed in cement concrete M 15 20mm and down size broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be paid separately) Specification	No's	7.00	32628.00	228396.00	-	-	7.00	32628.00	228396.00	7.00	228396.00

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Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous Measurement		Present Measurement			Up to date	
15	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications	Cum	514.37	111.00	57094.85	-	-	514.37	111.00	57094.85	514.37	57094.85
16	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305	Cum	0.00	362.00	0.00	-	-	0.00	362.00	0.00	0.00	0.00
17	KSRB 2.6 : Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. specification.	cum	0.00	2293.00	0.00	-	-	0.00	2293.00	0.00	0.00	0.00
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC,spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision..	Cum	0.00	1948.00	0.00	-	-	0.00	1948.00	0.00	0.00	0.00
19	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification	Cum	0.00	2101.00	0.00	-	-	0.00	2101.00	0.00	0.00	0.00
20	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5	Cum	293.92	3990.00	1172754.77	-	-	293.92	3990.00	1172730.83	293.92	1172730.83
21	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction	Cum	293.92	5471.00	1608055.47	-	-	293.92	5471.00	1608022.64	293.92	1608022.64

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Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous Measurement		Present Measurement			Up to date	
22	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and	Sqm	1959.49	74.50	145982.01	-	-	1959.45	74.50	145979.03	1959.45	145979.03
	EIRL											
E1	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.		122.84	6032.96	741095.06	-	-	122.84	6032.96	741095.06	122.84	741095.06
E2	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.		545.96	1028.12	561311.40	-	-	545.96	1028.12	561311.40	545.96	561311.40
	Total				**9285273.45**					**9284944.40**		**928494440**
	GST 12%				**1114232.81**					**1114193.33**		**111419333**
	Grand Total				**10399506.26**					**10399137.73**		**1039913773**

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Contractor

NEWZEN CONSULTANT ★ Consultant ★ Bangalore

Asst. Engineer

Asst. Executive Engineer,

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